

THE INTERNATIONAL PHONETIC ALPHABET (REVISED TO 1993)  
CONSONANTS (PULMONIC)

	BILABIAL	LABIODENTAL	DENTAL	ALVEOLAR	POSTAL	VEOLAR	RETROFLEX	PALATAL	VELAR	UVULAR	PHARYNGEAL	GLOTTAL
PLOSIVE	p b		t d				ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
NASAL	m	ɱ	n				ɳ	ɲ	ŋ	ɴ		
TRILL			r							ʀ		
TAP OR FLAP			ɾ				ɽ					
FRICATIVE	ɸ β	f v	θ ð	s z	ʃ ʒ		ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
LATERAL FRICATIVE				ɬ ɮ								
APPROXIMANT		ʋ	ɹ	ɻ			ɻ	j	ɰ			
LATERAL APPROXIMANT			l				ɭ	ʎ	ʟ			

WHERE SYMBOLS APPEAR IN PAIRS, THE ONE TO THE RIGHT REPRESENTS A VOICED CONSONANT.  
SHADED AREAS DENOTE ARTICULATIONS JUDGED IMPOSSIBLE.

CONSONANTS (NON-PULMONIC)

CLICKS	VOICED IMPLOSIVES	ELECTIVES
ɓ BILABIAL	ɗ BILABIAL	ʄ AS IN:
ɗ DENTAL	ɗʼ DENTAL/ALVEOLAR	ɗʼ BILABIAL
ɗʼ POSTAL VEOLAR	ɗʼ PALATAL	ɗʼ DENTAL/ALVEOLAR
ɗʼ PALATOAL VEOLAR	ɗʼ VELAR	ɗʼ VELAR
ɗʼ ALVEOLAR LATERAL	ɗʼ UVULAR	ɗʼ ALVEOLAR FRICATIVE

SUPRASEGMENTALS	TONES & WORD ACCENTS
ˈ PRIMARY STRESS	ˈ LEVEL
ˌ SECONDARY STRESS	ˌ LEVEL
ː LONG	ː EXTRA HIGH
ˑ HALF-LONG	ˑ HIGH
˒ EXTRA-SHORT	˒ HIGH
ˑ SYLLABLE BREAK	ˑ MID
ˑ MINOR (FOOT) BREAK	ˑ LOW
ˑ MAJOR (INTONATION) GROUP	ˑ EXTRA
ˑ LINKING (ABSENCE OF A BREAK)	ˑ LOW
	ˑ RISING-FALLING ETC.
	ˑ GLOBAL RISE
	ˑ GLOBAL FALL

FIG. 1

TO FIG. 1 CONT.

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Replacement Sheet



FROM FIG. 1

